



Form PTO 1449

ATTY DOCKET NO. 105-01	SERIAL NO. 10/723,462	FILING DATE 11/26/03
APPLICANT Westphall <i>et al.</i>	CONFIRMATION NO. 5946	GROUP 1753

U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
KF	6,727,497 B2	4/27/04	Scalf <i>et al.</i>			
	6,649,907 B2	11/18/03	Ebeling <i>et al.</i>			
	6,359,275	03/19/02	Bertsch <i>et al.</i>	250	281	
	6,331,702	12/18/01	Krutchinsky <i>et al.</i>	250	281	
	6,277,334	08/21/01	Ecker <i>et al.</i>	422	131	
	6,207,954	03/27/01	Andrien <i>et al.</i>	250	288	
	6,093,557	07/25/00	Pui <i>et al.</i>	435	173.1	
	6,051,189	04/18/00	Wick <i>et al.</i>	422	82.01	
	6,027,699	02/22/00	Holcomb <i>et al.</i>	422	186.04	
	6,001,309	12/14/99	Gamble <i>et al.</i>	422	100	
	5,994,694	11/30/99	Frank <i>et al.</i>	250	281	12/04/97
	5,992,244	11/30/99	Pui <i>et al.</i>	73	865.5	03/04/98
	5,973,904	10/26/99	Pui <i>et al.</i>	361	225	
	5,965,883	10/12/99	Lee <i>et al.</i>	250	288	
	5,945,678	08/31/99	Yanagisawa	250	423	
	5,925,732	07/20/99	Ecker <i>et al.</i>	530	334	
	5,922,976	07/13/99	Russell <i>et al.</i>	73	865.5	10/11/96
	5,894,841	04/20/99	Voges	128	203.12	
	5,880,466	03/09/99	Benner	250	281	06/02/97
	5,873,523	02/23/99	Gomez <i>et al.</i>	239	3	
	5,770,857	06/23/98	Fuerstenau <i>et al.</i>	250	281	11/15/96
	5,767,512	06/16/98	Eiden <i>et al.</i>	250	282	
	5,750,988	05/12/98	Apffel <i>et al.</i>	250	288	
	5,625,186	04/29/97	Frankevich <i>et al.</i>	250	292	03/21/96
	5,614,711	03/25/97	Li <i>et al.</i>	250	287	
	5,611,846	03/18/97	Overton <i>et al.</i>	96	102	
	5,565,677	10/15/96	Wexler <i>et al.</i>	250	251	
	5,560,543	10/01/96	Smith <i>et al.</i>	239	102.2	
	5,591,969	01/07/97	Park <i>et al.</i>	250	287	04/12/95
KF	5,504,327	04/02/96	Sproch <i>et al.</i>	250	288	

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JP	5,475,228	12/12/95	Palathingal	250	397	11/28/94
	5,403,617	04/04/95	Haaland	427	180	
	5,247,842	09/28/93	Kaufman et al.	73	865.5	09/30/91
	5,192,865	03/09/93	Zhu	250	288	01/14/92
	5,076,097	12/31/91	Zarrin et al.	73	61.1	06/28/90
	5,073,713	12/17/91	Smith et al.	250	282	
	4,935,624	06/19/90	Henion et al.	250	288	06/19/90
	4,924,097	05/08/90	Browner et al.	250	343	
	4,845,512	07/04/89	Arway	347	77	
	4,735,364	04/05/88	Marchant	239	690.1	
	4,641,155	02/03/87	Zoltan	346	140	
	4,580,148	04/01/86	Domoto et al.	347	63	
	4,579,279	04/01/86	Marchant	239	3	
	4,546,253	10/08/85	Tsuchiya et al.	250	288	
	4,492,322	01/08/85	Hieftje et al.	222	420	
	4,461,155	07/24/84	Werjefelt	62	93	
	4,357,536	11/02/82	Varma et al.	250	397	01/16/81
	4,352,570	10/05/82	Firth	366	127	
	3,857,049	12/24/74	Zoltan	310	8.1	
	3,683,212	08/08/72	Zoltan	310	8.3	
	3,226,543	12/28/65	F. Melzner	250	41.9	02/20/63
JP	RE34,757	10/18/94	Smith et al.	204	452	
JP						

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Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JP	2002/0166961 A1	11/14/02	Berggren et al.			
	2002/0158196 A1	10/31/02	Berggren et al.			
	2002/0011562 A1	01/31/02	Park			
	2001/0030285 A1	10/18/01	Miller et al.			
JP	2001/0028866 A1	10/11/01	Ecker et al.			

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FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No
KF	WO 00/17908	03/30/00	PCT			

NON-PATENT LITERATURE DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

KF	Allison, E.E. et al. (Nov. 1996) "Cubic Electrodynamic Levitation Trap With Transparent Electrodes;" <i>Rev. Sci. Instrum.</i> 67(11):3806-3812.
1	Benner, W.H. (1997) "A Gated Electronstatic Ion Trap to Repetitiously Measure the Charge and <i>m/z</i> of Large Electrospray Ions;" <i>Anal. Chem.</i> 69:4162-4168.
	Chen, D.R. et al. (1995) "Electrospraying of Conducting Liquids for Monodisperse Aerosol Generation in the 4 nm to 1.8 μ m Diameter Range;" <i>J. Aerosol. Sci.</i> 26:963-977.
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KF	Fenn, J.B. et al. (Oct. 1989) "Electrospray Ionization for Mass Spectrometry of Large Biomolecules;" <i>Science</i> 246:64-71.

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<i>JK</i>		Kaufman, S.L. et al. (June 1996) "Macromolecule Analysis Based on Electrophoretic Mobility in Air: Globular Proteins;" <i>Anal. Chem.</i> 68:1895-1904.
<i>JK</i>		Kaufman, S.L. (1998) "Analysis of Biomolecules Using Electrospray and Nanoparticle Methods: the Gas-phase Electrophoretic Mobility Molecular Analyzer (GEMMA);" <i> J. Aerosol. Sci.</i> 29(5,6):537-552.
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<i>JK</i>		Kung, C-Y et al. (March 1999) "Single-molecule Analysis of Ultradilute Solutions with Guided Streams of 1- μ m Water Droplets;" <i>Applied Optics</i> 38(9):1481-1487.
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<i>JK</i>		Liu, P. et al. (1995) "Generating Particle Beams of Controlled Dimensions and Divergence: I. Theory of Particle Motion in Aerodynamic Lenses and Nozzle Expansions;" <i>Aerosol Sci. and Tech.</i> 22:293-313.

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KP	Liu, P. et al. (1995) "Generating Particle Beams of Controlled Dimensions and Divergence: II. Experimental Evaluation of Particle Motion in Aerodynamic Lenses and Nozzle Expansions;" <i>Aerosol Sci. and Tech.</i> 22:314-324.
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JK	Marshall, T.C. et al. (1982) "Measurements of Charged Precipitation in a New Mexico Thunderstorm: Lower Positive Charge Centers;" <i>J. of Geophysical Res.</i> 87(C9):7141-7157.
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JK	Park, M.A. et al. (1994) "An Inductive Detector for Time-of-Flight Mass Spectrometry;" <i>Rapid Comm. Mass. Spec.</i> 8:317-322.
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KF		Sarkissian, S.N. et al. (Oct. 2000) "Measurement of Phenyllactate, Phenylacetate, and Phenylpyruvate by Negative Ion Chemical Ionization-gas Chromatography/mass Spectrometry in Brain of Mouse Genetic Models of Phenylketonuria and Non-phenylketonuria Hyperphenylalaninemia;" <i>Anal. Biochem.</i> 280:242-249.
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RF	Stephenson, J.L., Jr. et al. (Nov. 1996) "Ion/Ion Proton Transfer Reactions for Protein Mixture Analysis;" <i>Anal. Chem.</i> 68:4026-4032.
RF	Stradling, G.L. et al. (1993) "Ultra-High Velocity Impacts: Cratering Studies of Microscopic Impacts From 3 KM/S to 30 KM/S;" <i>Int. J. Impact Engng</i> 719-727.
RF	Switzer, G.L. (Nov. 1991) "A Versatile System for Stable Generation of Uniform Droplets;" <i>Rev. Sci. Instrum.</i> 62(11):2765-2771.
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		Yates, J.R. III (1998) "Mass Spectrometry and the Age of the Proteome," <i>J. Mass Spectrom.</i> 33:1-19.
EXAMINER 	DATE CONSIDERED	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

12/20/89